

Docket No.: 4444-051

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Jean-Pierre JOLIET

U.S. Patent Application No. 10/520,944

Filed: January 12, 2005

For: VESSEL DESIGNED TO COLLECT WASTE ON BOARD

Confirmation No.: 4767

Group Art Unit: 1724

Examiner:

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APR 12 2006

REQUEST FOR CORRECTED FILING RECEIPT

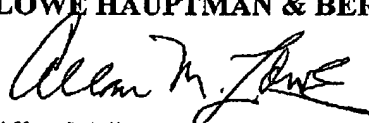
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached is a copy of the Filing Receipt received from the U.S. Patent and Trademark Office in the above-referenced application, on which we noticed that the title is listed erroneously. Also attached is a copy of the Preliminary Amendment and Application Data Sheet filed on January 12, 2005 listing the amended title, which should appear as: VESSEL DESIGNED TO COLLECT WASTE ON BOARD. It is requested that a corrected filing receipt be issued.

Very truly yours,

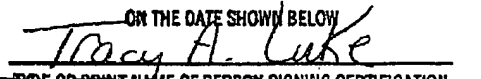
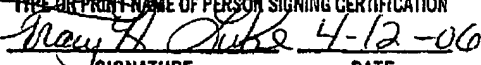
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/520,944	10/24/2005	1724	1030	4444-051	3	19	12

22429  
LOWE HAUPTMAN GILMAN AND BERNER, LLP  
1700 DIAGONAL ROAD  
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ALEXANDRIA, VA 22314

CONFIRMATION NO. 4767

## FILING RECEIPT



\*OC000000018310795\*

Date Mailed: 03/20/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Jean-Pierre Joliet, Paris, FRANCE;

Power of Attorney: The patent practitioners associated with Customer Number 22429.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/FR03/02132 07/09/2003

## Foreign Applications

FRANCE 02/09002 07/12/2002

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Projected Publication Date: 06/22/2006

Non-Publication Request: No

Early Publication Request: No

Lowe, Hauptman, &amp; Berner

## Title

to collect waste on board

Vessel which is designed for the on board collection of waste without the need for pumping

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Docket No.: 4444-051

APR 12 2006

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Jean-Pierre JOLIET

New U.S. Patent Application  
PCT /FR03/002132

For: VESSEL DESIGNED TO COLLECT WASTE ON BOARD (*Amended Title*)

PRELIMINARY AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Preliminary to examination of the above-referenced application, please amend the application as follows:

Docket No.: 4444-051

PCT/FR03/002132

**AMENDMENTS TO THE SPECIFICATION:**

Please amend the specification as indicated by the new specification, in clean and marked up versions, submitted herewith. Changes to the title are included thereon.

Docket No.: **4444-051**

**PCT/FR03/002132**

**ABSTRACT:**

Please replace the current Abstract with following new Abstract.

A vessel travels over a surface of a body of water or a waterway to collect waste on and/or close to the surface. A retainer that traps and retains the waste is activated by creating a water flow channel that is connected to a water inlet and a water outlet on the vessel. The retainer is on at least one trajectory of said channel. Waste is collected without using a specific pumping or gathering device.

Docket No.: 4444-051

PCT/FR03/002132

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-15 (canceled)

*Claim 16 (New)* Vessel designed to travel over a surface of a body of water or a waterway, and to collect in board waste that is on and/or close to said surface, the vessel comprising a liquid waste retainer for trapping and retaining said waste, said retainer being on a trajectory of a water flow channel adapted to be connected to a water inlet and a water outlet of said vessel.

*Claim 17 (New)* Vessel according to Claim 16 further comprising a heater of an upper surface of the water flow channel.

*Claim 18 (New)* Vessel according to Claim 16 wherein the liquid waste retainer comprises a holding tank arranged so the water flow channel passes through it while the vessel is moving.

*Claim 19 (New)* Vessel according to Claim 18, further comprising a regulator for the temperature inside the holding tank.

*Claim 20 (New)* Vessel according to Claim 18, wherein the holding tank includes:

an inlet adapted to be connected to the inlet of the water flow channel, the holding tank inlet being formed by an upper edge of said tank and adapted to be located close to the surface of the water, and

Docket No.: 4444-051

PCT/FR03/002132

an outlet adapted to be connected to the outlet of said channel, the holding tank outlet being formed by an orifice in a bottom of said tank and adapted to be obstructed by a closure in response to said tank being full of liquid waste.

*Claim 21 (New)* Vessel according to Claim 19, wherein the closure comprises a float having at least one surface for covering the orifice which forms the outlet of the tank, the float having a density greater than that of the liquid waste and lower than that of the water.

*Claim 22 (New)* Vessel according to Claim 16, wherein the liquid waste retainer is located on a first trajectory of the flow channel, said vessel also including a solid waste retainer located in a second trajectory of said channel.

*Claim 23 (New)* Vessel according to Claim 22, wherein the solid waste retainer is positioned upstream of the water flow channel with respect to the liquid waste retainer, the first and second trajectories of said channel being coincident between the inlet of the channel and an outlet of the solid waste retainer.

*Claim 24 (New)* Vessel according to Claim 22, wherein the solid waste retainer includes at least one grille located across the water flow channel.

*Claim 25 (New)* Vessel according to Claim 24, wherein the solid waste retainer comprises a first and a second grille which project with respect to one another and are secured to one another to form an assembly that can move with respect to said vessel.

*Claim 26 (New)* Vessel according to Claim 16, further including a turbine for driving said vessel in motion, the turbine having (a) an inlet downstream of the outlet of the water flow

Docket No.: 4444-051

PCT/FR03/002132

channel and (b) an outlet for producing a water jet towards the outside of said vessel, below the surface of the body of water or waterway.

*Claim 27 (New)* Vessel according to Claim 26, wherein the turbine outlet includes a deflector having an adjustable position for determining a direction of the jet of water produced by said turbine.

*Claim 28 (New)* Vessel according to Claim 16, wherein the vessel includes at least two hulls which are secured to one another and are substantially parallel to one another, said hulls being separated by a distance defining the water flow channel width.

*Claim 29 (New)* Vessel according to Claim 28, further comprising a fairing that connects the bottom of said hulls, said fairing being positioned on the vessel from the surface of the body of water or waterway by a distance defining the water flow channel depth.

*Claim 30 (New)* Vessel according to Claim 29, further including rolling elements on a lower surface of the fairing, the rolling elements being positioned and arranged so they roll and bear the load of the vessel during movement of the vessel on dry land.

*Claim 31 (New)* Vessel according to Claim 16, wherein the retainer is connected to the water inlet and the water outlet.

*Claim 32 (New)* Vessel according to Claim 20, wherein the holding tank inlet and outlet are respectively connected to the water flow channel inlet and outlet.

*Claim 33 (New)* A structure adapted to be carried on a vessel designed to travel over a surface of a body of water or a waterway, the structure being adapted to collect on board the



Docket No.: 4444-051

PCT/FR03/002132

vessel waste that is present on and/or close to said surface, the structure comprising a liquid waste retainer able to trap and retain said waste, said liquid waste retainer being adapted to be arranged on a trajectory of a water flow channel of the vessel, wherein the channel is adapted to be connected to a water inlet and a water outlet of said vessel.

*Claim 34 (New)* The structure according to Claim 33, wherein the liquid waste retainer is arranged so the water flow channel passes through it while the vessel is moving.

Docket No.: 4444-051

PCT/FR03/002132

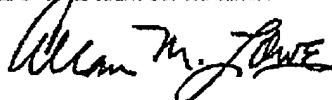
**REMARKS:**

The title has been amended so it is consistent with the claimed subject matter. The specification has been amended to include reference to the French and International Applications from which the instant application claims priority, as well as to insert headings, to improve syntax and so the Summary of Invention is consistent with the amended claims. The claims have been canceled and rewritten as claims 16-30 to eliminate multiple dependencies and prevent interpretation under 35 USC 112 ¶6. Claims 31-34 have been added to provide applicant with the protection to which he is entitled. Claims 31 and 32 define aspects of claims 16 and 20 more specifically. Claims 33 and 34 enable the structure to be infringed prior to being installed on a vessel. The Abstract has been re-written to comply with US requirements.

Entry is in order.

Respectfully submitted,

**LOWE HAUPTMAN & BERNER, LLP**



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Date: January 12, 2005

**Application Data Sheet****Application Information**

Application Number::

Filing Date::

Application Type::

US National Stage

Subject Matter::

Utility

Suggested Classification::

Suggested Group Art Unit::

Title::

VESSEL DESIGNED TO COLLECT WASTE ON  
BOARD

Attorney Docket Number::

4444-051

Request for Early Publication::

Request for Non-Publication::

Suggested Drawing Figure::

1

Total Drawing Sheets::

3

**Applicant Information**

Applicant Authority Type::

Inventor

Primary Citizenship Country::

French

Status::

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Family Name::

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Postal or Zip Code::

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**Domestic Priority Information**

Application::	Continuity Type::	Parent Application::	Parent Filing Date::

**Foreign Priority Information**

Country::	Application Number::	Filing Date::	Priority Claimed::
FR	02/09002	July 12, 2002	Yes

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